

In the Claims:

1. (Currently amended) Insulation arrangement for a pipe,  
2 especially for a pipe of a pneumatic system in a passenger  
3 transport aircraft, comprising an insulation material layer  
4 (6) and a pre-fabricated shell (9) that includes an outer  
5 sheath consisting of titanium foil (31), and first and  
6 second termination profiles, profile elements, wherein the  
7 outer sheath (3) has at least one longitudinal seam (13)  
8 and a first end section (32) and a second end section (33),  
9 and the outer sheath is connected at the first and second  
10 end sections respectively with the first and second  
11 termination profiles, profile elements, and wherein the  
12 shell (19) has at least one longitudinal seam (13), and is  
13 adapted to and does receive therein [[an]] the insulation  
14 material layer (6) and is adapted to be mounted on the pipe  
15 with the longitudinal seam of the outer sheath shell open,  
16 and with the insulation material layer (6) received in the  
17 [[shell.]] shell, and further comprising closure parts (14,  
18 14') that are provided on the shell at the at least one  
19 longitudinal seam (13) and that are adapted to close the at  
20 least one longitudinal seam (13) after the shell is mounted  
21 on the pipe, and wherein the titanium foil (31) forming the  
22 outer sheath (3) has a profiled or patterned surface  
23 configuration.

1       2. (Currently amended) Insulation arrangement according to  
2       claim 1, characterized in that each said termination  
3       profile element (7) is embodied as a Z-profile element,  
4       including an upper web (71) connected with the titanium  
5       foil (31), and a middle web (72) as well as a lower web  
6       (73) that form a receiver receiving the insulation material  
7       layer (6).

Claims 3 to 10 (Canceled).

1       11. (Currently amended) Insulation arrangement according to  
2       claim 1, characterized in that the shell (9) is embodied as  
3       a full shell including only a single one of the  
4       longitudinal seam, [[which]] and the shell is opened at the  
5       longitudinal seam (13) and slipped over the pipe (2), and  
6       is closed by means of the closure parts which comprise  
7       joint webs (14, 14') provided on the longitudinal  
8       seam (13).

1       12. (Currently amended) Insulation arrangement according to  
2       claim 11, characterized in that a connection on the  
3       longitudinal seam (13) between the joint webs (14, 14')  
4       is produced are joined together by adhesive bonding or  
5       welding to close the longitudinal seam.

1       13. (Currently amended) Insulation arrangement according to  
2       claim 1, characterized in that the shell (9) is embodied as

3       comprises two half shells, which comprise joined along two  
4        of said longitudinal seams, and the two half shells are  
5        positioned on the pipe (2), and the insulation is are  
6        closed by means of the closure parts which comprise joint  
7        webs (14, 14') provided on the longitudinal seams.

1       14. (Currently amended) Insulation arrangement according to  
2       claim 13, characterized in that ~~a connection on the~~  
3       longitudinal seam (13) between the joint webs (14, 14')  
4       is produced are joined together by adhesive bonding or  
5       welding to close the two longitudinal seams.

1       15. (Currently amended) Insulation arrangement according to  
2       claim 1, characterized in that the closure parts comprise  
3       a securing web (15) that is provided along the longitudinal  
4       seam and that is configured to produce a form-locking  
5       secured connection ~~is provided on the longitudinal seam.~~  
6       connection.

Claim 16 (Canceled).

1       17. (Previously presented) Insulation arrangement for a pipe,  
2       especially for a pipe of a pneumatic system in a passenger  
3       transport aircraft, which essentially comprises at least  
4       one insulation layer (6), an outer sheath consisting of  
5       titanium foil (31), and first and second termination  
6       profiles, wherein the outer sheath (3) has at least one

7       longitudinal seam (13) and a first end section (32) and a  
8       second end section (33), and said outer sheath is connected  
9       at said first and second end sections respectively with  
10      said first and second termination profiles, whereby said  
11      outer sheath and said termination profiles connected  
12      thereto form a shell (9) into which the insulation layer  
13      (6) is insertable, wherein the outer sheath (3) comprises  
14      outlet holes (5), warning wires (11) are arranged above the  
15      outlet holes (5), and an anti-rotation securement (8) is  
16      provided, which prevents a position change between the pipe  
17      (2) and the shell (9).

1       18. (Previously presented) Insulation arrangement according to  
2       claim 17, characterized in that the anti-rotation  
3       securement (8) is a partial adhesive connection, as a  
4       fillet joint seam (81) of a temperature resistant adhesive  
5       or a paste between the termination profile (7) and the  
6       pipe (2).

1       19. (Currently amended) Insulation arrangement according to  
2       claim 1, characterized in that further comprising  
3       stiffening elements (12) that are at least partially  
4       applied onto the inner side of the titanium foil (31).

1       20. (Currently amended) [[An]] A pre-fabricated insulation  
2       arrangement for thermally insulating a pipe, said  
3       insulation arrangement comprising:

4 a shell that comprises:

5 a cylindrical outer sheath comprising a titanium  
6 foil, and having a longitudinal seam extending  
7 therealong in a longitudinal direction, and  
8 a first end section and a second end section at  
9 opposite first and second ends of said outer  
10 sheath in [[said]] a longitudinal direction;

11 a metal first termination profile element positioned  
12 within and connected to said first end section of  
13 said outer sheath and extending radially inwardly  
14 from said outer sheath; and

15 a metal second termination profile element positioned  
16 within and connected to said second end section  
17 of said outer sheath and extending radially  
18 inwardly from said outer sheath;

19 wherein said first and second termination profiles  
20 profile elements are spaced apart from one  
21 another in said longitudinal direction; and

22 wherein said shell has a longitudinal seam extending  
23 therealong in said longitudinal direction, and  
24 further comprises closure parts that are provided  
25 at said longitudinal seam and that are adapted to  
26 be secured together so as to close said  
27 longitudinal seam;

28 and

29 at least one layer of thermal insulation material inserted  
30 into said shell through said longitudinal seam of said  
31 outer sheath shell to form a cylindrical annular

32           insulation material jacket adapted to surround the  
33        pipe, wherein said cylindrical annular insulation  
34        material jacket is received and held by said  
35        termination profiles profile elements in a cylindrical  
36        annular shell space bounded longitudinally between  
37        said termination profiles profile elements and bounded  
38        radially inside said outer sheath;  
39        wherein said pre-fabricated insulation arrangement  
40        including said cylindrical annular insulation material  
41        jacket arranged in said cylindrical annular shell space  
42        inside said shell exists as a pre-fabricated pre-assembled  
43        component separate from the pipe and without the pipe yet  
44        received therein, and wherein said shell with said thermal  
45        cylindrical annular insulation material jacket therein is  
46        adapted to be mounted on the pipe via said longitudinal  
47        seam which is open.

1       21. (Currently amended) The insulation arrangement according to  
2        claim 20, wherein each said termination profile element  
3        includes an outer web extending along and connected to said  
4        outer sheath at a respective one of said end sections, a  
5        middle web extending radially inwardly from said outer web  
6        along a radial plane transverse to said longitudinal  
7        direction, and an inner web extending in said longitudinal  
8        direction from a radially inner end of said middle web,  
9        whereby said cylindrical shell space is defined radially  
10      between said inner web and said outer sheath, and said

11       inner web serves to hold said cylindrical annular  
12       insulation material jacket in said cylindrical shell space.

1       22. (Currently amended) The insulation arrangement according to  
2       claim [[i,]] 20, wherein said termination profiles profile  
3       elements are connected to said outer sheath by respective  
4       weld joints.

1       23. (Currently amended) The insulation arrangement according to  
2       claim [[i,]] 20, wherein said termination profiles profile  
3       elements are not connected to the pipe.

1       24. (Currently amended) The insulation arrangement according to  
2       claim [[i,]] 20, further comprising an adhesive joint  
3       connecting said termination profiles profile elements to  
4       the pipe.

1       25. (Currently amended) The insulation arrangement according to  
2       claim [[i,]] 20, wherein said thermal insulation material  
3       [[layer]] is fiberglass wool.

1       26. (Currently amended) A method of [[using]] assembling and  
2       installing the insulation arrangement according to claim  
3       [[i]] 20 for thermally insulating [[a]] the pipe, said  
4       method comprising the steps:

- 5 a) providing said shell including said outer sheath and  
6 said termination profiles profile elements connected  
7 thereto;
- 8 b) with said longitudinal seam open, inserting said  
9 insulation material [[layer]] through said  
10 longitudinal seam into [[a]] said cylindrical annular  
11 shell space within said shell to complete assembly of  
12 said pre-fabricated pre-assembled component;
- 13 c) then after said step b), with said longitudinal seam  
14 open, after said step b), mounting said [[shell]]  
15 pre-fabricated pre-assembled component onto said pipe  
16 by passing said pipe through said longitudinal seam;  
17 and
- 18 d) after said step c), closing said longitudinal seam  
19 to complete installation of said pre-fabricated  
20 pre-assembled component on said pipe.

Claim 27 (Canceled).

1 28. (New) The insulation arrangement according to claim 20,  
2 wherein said closure parts include first and second closure  
3 parts that respectively extend continuously longitudinally  
4 along first and second edges of said outer sheath bounding  
5 said longitudinal seam.

1 29. (New) The insulation arrangement according to claim 28,  
2 wherein said first and second closure parts comprise

3       respective first and second flange webs of said titanium  
4       foil protruding outwardly from said cylindrical outer  
5       sheath and longitudinally along said longitudinal seam.

1       30. (New) The insulation arrangement according to claim 29,  
2       wherein said first and second flange webs are so configured  
3       and arranged that said second flange web is wider than said  
4       first flange web and can be bent and folded over said first  
5       flange web so as to engage said first flange web with said  
6       second flange web.

1       31. (New) The insulation arrangement according to claim 20,  
2       wherein said titanium foil of said outer sheath has a  
3       patterned surface configuration.

1       32. (New) The insulation arrangement according to claim 31,  
2       wherein said patterned surface configuration has a weave  
3       pattern as seen in a plan view and a surface undulation  
4       pattern as seen in a sectional view.

[RESPONSE CONTINUES ON NEXT PAGE]